

Claim 17. A disposable lighter, comprising:

a lighter body for storing fuel;

a mounting frame, which is sealedly affixed on top of said lighter body, comprising a first and a second supporting wall  
5 upwardly extended from two sides of said mounting frame;

a vertical spring chamber between said first and second supporting walls of said mounting frame, said vertical spring chamber with a height shorter than said first and second supporting walls;

10 a flint spring being received in said spring chamber;

a gas lever being pivotally mounted between said first and second supporting walls and having a central cutout to allow said spring penetrating therethrough to insert into said spring chamber, said gas lever further integrally providing a thumb  
15 pusher at one end thereof and forming a lifting hole engaged with a gas nozzle at the other end;

a gas valve with said gas nozzle extending upwards above said mounting frame being installed inside said mounting frame, said gas nozzle being engaged with another end of said gas  
20 lever, so that when said thumb pusher is pushed downwardly, said other end of said gas lever lifts said gas nozzle to release gas from an interior of said lighter body via said gas valve;

an ignition device comprising a flint and a striking wheel, wherein said flint is supported on top of said flint spring with

a bottom portion thereof inserting into said spring chamber,  
said striking wheel which has a circumferential coarse striking  
surface being positioned right above said flint by rotatably  
mounting between said first and second supporting walls, so that  
5 said flint is pressed downwardly by said circumferential coarse  
striking surface of said striking wheel, and that said flint is  
relatively pressed by said flint spring upwards to urge against  
said circumferential coarse striking surface of said striking  
wheel, wherein said striking wheel further comprises two  
10 circular discs integrally formed at two sides of said striking  
wheel; and

a U-shaped wind shield extends over said first and second  
supporting walls to cover said gas nozzle and said first and  
second supporting walls, said wind shield having an a U-shaped  
15 side wall which has a round end portion and two wing portions  
extending from said round end portion, and a first and a second  
L-shaped bent-edge members which are respectively and  
perpendicularly bent from a top side and an end side of said  
wing portions, said striking surface at an elevation lower than  
20 said bent-edge members, wherein said first and second bent-edge  
members are respectively extended from a top wall along said top  
side and said end side of each of said wing portions, a top end  
corner of each of said wing portions forming a curved corner  
which has a curvature matching at least a quarter of a

circumference of said striking wheel, so that said striking wheel is sidewardly covered by said two wing portions of said windshield, wherein said first and second bent-edge members of said windshield are inwardly extended to form two protecting bent-edge members for better striking contact by increasing a contact area with a user's thumb.